

THE TECH

VOL. XXVII. No. 18

BOSTON, MASS., MONDAY, NOVEMBER 11, 1907

PRICE THREE CENTS

BASKET BALL STARTS TODAY.

**SCHEDULE COMPLETED. FIVE MEMBERS
OF THE TEAM ARE BACK THIS YEAR.**

Kanally will Coach the Team.

This afternoon the basketball season opens with the first regular call for candidates. Practice starts at the gymnasium at 4.30 o'clock.

Last year the basketball team did very good work scoring 302 points during the year against 430 scored by their opponents. All of the games were very close and a great many were played against very strong teams.

Philip M. Wentworth 1908, is captain of the team this year. Last season he played a fine game at guard and he will probably occupy the same position again. Charles W. Whitmore 1908, has been re-elected manager of the team, and has nearly completed the schedule for the year. Five members of last year's team are back at the Institute this year. They are Captain Philip M. Wentworth, 1908; Newman B. Gregory, 1908; William J. Pierce, 1908; Russell H. Nichols, 1909; and Edward I. Cahill, 1910. These men will make a team in themselves, and with some of last year's substitutes to work in as second men, the prospects look very encouraging.

The track coach, Frank M. Kanally, will coach the team this year. In addition to his work on the cinder path he has had a great deal of experience in basketball. He will take up the work actively at the close of the Cross Country season, which concludes with the Inter-collegiate meet at Princeton on November 27th.

WENTWORTH AND PARKER WIN DOUBLES

Singles Well Under Way.

Philip M. Wentworth and T. B. Parker easily defeated P. R. Fanning and C. Scheuer in the finals of the Fall Tennis Tournament doubles. The singles have been dragging along for a good while and are not yet completed.

Owing to the poor condition of the courts at Tech Field a great many of the matches were played on outside grounds. This has occasioned considerable delay.

The summary of the matches played to date follows:

Doubles:

Preliminary round:—Wentworth and Parker defeated McClintock and Shell, 7-5, 3-6, 6-3. First round, Wentworth and Parker defeated V. B. Whittemore and partner, 7-5, 6-3. P. R. Fanning and J. Scheuer defeated M. O. Price and D. V. Williams 6-1, 2-6, 6-2. Final round, Wentworth and Parker defeated Fanning and Scheuer 6-3, 6-1, 6-2.

Singles:

Preliminary round:—D. V. Williams defeated M. C. Sherman, 6-3, 6-3; P. M. Wentworth defeated H. Lockett, 6-4, 6-3; H. F. Shan defeated E. S. Russell 8-6, 6-4; H. R. Draper defeated M. D. Price 7-5, 6-3; H. S. Cornell defeated B. Dewey 6-4, 5-7, 6-4; F. W. Corill defeated H. H. Whithead 6-2, 6-4; T. B. Parker defeated S. Scheuer 6-3, 6-4; P. R. Fanning defeated H. S. Howard 6-1, 6-3.

First round:—L. Coffin defeated C. S. Williams 6-1, 6-4; D. V. Williamson defeated I. T. Haslan, 6-3, 6-3; Wentworth defeated Shaw 6-4, 8-6; Draper defeated Cornell 6-1, 6-2; Parker defeated Corill 6-2, 6-1; A. R. Knipp defeated W. B. Myers 6-2, 4-6, 6-3; M. T. Whiting defeated J. B. Whittemore 7-5, 6-1.

Second Round:—Coffin defeated Williamson 6-4, 6-4; Whiting defeated Knipp 7-5, 6-1.

MODEL OF INSTITUTE ESTABLISHED.

The Nova Scotia Technical College, modeled after the Institute, will be established in Halifax. Work will commence as soon as the building and plant are ready. It will be established and maintained by the provincial government and tuition will be practically nothing.

TECH GRAD BEGINS LOWELL LECTURES TUESDAY.

PROF. CALKINS TO TALK ON PROTOZOA.

**Is Tech 1890 Man, and Now Professor
at Columbia.**

Professor Gary N. Calkins, Ph. D., graduate of the Institute in the Class of 1890, will open tomorrow evening an interesting series of lectures before the Lowell Institute, on "The Protozoa."

They will be: The lowest Forms of Animal Life, Nov. 12; Habits and General Physiology of the Protozoa, Nov. 15; Protozoa and Protoplasmic Old Age, Nov. 19; Protozoa and Problems of General Biology: Fertilization and Growth, Nov. 22; Protozoa and Parasitism, Nov. 26; Protozoa and Pathology: Malaria and Sleeping Sickness, Nov. 29; Protozoan Parasites of Dysentery, Hydrophobia, and Smallpox, Dec. 3; Some Doubtful Protozoan Diseases, Dec. 6.

To be given in Huntington Hall at 8.00 P. M. Doors open at 7.30, and close at 8.00 o'clock. Tickets may be secured free of charge, at the office of the Lowell Institute, 491 Boylston street, or by applying by mail to the Curator of the Lowell Institute, 491 Boylston street, Boston, enclosing a stamped, addressed envelope.

Professor Calkins is known all over the country as one of the top rank men in biology and protozoology. He was for several years professor of invertebrate zoology at Columbia University, and was appointed last spring to the new chair of protozoology at the institution. This new professorship is the first of its kind in the United States and the second in the English speaking world. The first in University College, London, was founded only last year.

Professor Calkins has published the best general work in English upon the Protozoa, the lowest form of animal life, besides many special papers and monographs. He is regarded as the highest authority on Protozoology in the country, and has made important discoveries upon the probable parasitic origin of the cancer, discoveries that have aroused everywhere the keenest interest of medical and sanitary experts.

1896 ISSUES "DECENNIAL CATALOG."

**Is Handsome and Well-Edited Book with
Statistics and Information.**

The "Decennial Catalogue" of the Class of 1896 has just been issued. It contains an account of the '96 decennial celebration at Ipswich, the class constitution, statistics, and the class record. The book is late because requests for information were not answered promptly. Besides being of great interest to '96 men, the book should engage the attention of any undergraduate since it gives him an idea of his probable condition ten years after graduation.

After the foreword, in which the committee on publication tells of its troubles in getting men to fill out the information blanks, is an illustrated account of the '96 decennial celebration held June, 1906, at Ipswich. There a number of the class of 1896 spent some enthusiastic days renewing their youth and class spirit. Next is given the constitution, which seems well fitted to keep the class together.

The statistics are of interest. Of the class seventy per cent. are married. Men sent the amounts of their incomes in secret envelopes. The smallest salary is \$728; the highest, \$20,000; for specials, \$3,548. No comparison has been made with respect to courses, in fact nowhere has note been made of a man's course. One man in the class is a Mormon.

The class record contains the individual record of each member of the class. This data such as occupation, public honors, etc., is of special interest to '96 men. On the last page is the necrology.

On the whole the book is exceptionally handsome, and well edited and is a noteworthy example of what a class can do to keep its members together after graduation by keeping up their interest in the class and the Institute.

FIELD DAY NIGHT NOT DESIRABLE.

SO SAYS PRESIDENT NOYES.

**Field Day Dinner at Union Enthusiastically
Attended.**

Saturday night, the Field Day participants met in the best of good-fellowship at the Union. Class prejudices were forgotten, and after a fine dinner and excellent speeches from Pres. Noyes, Dean Burton, Major Wheeler, and Prof. Talbot, everyone joined in singing, led by the jovial toastmaster, Major Briggs.

Major Briggs presented the football used in the Field Day game to Capt. Manson, who accepted it with a short, fitting speech.

Then came the fine old custom, the passing, from hand to hand, the Field Day Cup, each man drinking and giving his name and numerals. Pres. Noyes, the first Tech president from Technology drank first.

The addresses given were most interesting, showing that the Institute has men from every part of the country and world.

The addresses and numbers were from Boston 6, Belmont, Brookline 6, Cambridge 4, Dedham, Dorchester 7, Easton, Haverhill, Holyoke, Hyde Park, Jamaica Plain, Lowell 2, Milton, Natick 2, Newburyport, Newtonville, New Bedford, Pittsfield, Somerville, South Boston 3, Springfield, Taunton, West Newton 4, Winchester, in Massachusetts:

From outside of the state: Baltimore, Chicago 4, Florida, Hartford (Conn.) 3, Helena (Mont.), Indiana, Kansas, Kentucky, Los Angeles, Michigan, Missouri 2, New York 8, New Jersey, Norfolk (Va.), Ohio 3, Pennsylvania, Salt Lake City, Seattle, Texas, and Wisconsin. From outside the country, Canada, Ireland 2.

President Noyes spoke in favor of the athletic system at the Institute. For the faculty he said, "While many of us believe in Field Day, few of us believe in Field Night. The mere fact that the hoodlums of Jamaica Plain and Brookline took this as an occasion upon which they could mingle upon an equal basis with Tech men, is sufficient ground for our feeling against it."

Dean Burton compared the old-fashioned college life with the ideal life at the Institute; the irresponsibility of the average college undergraduate with the self-responsibility desired here; and expressed the wish that the ideal might lead to a less undesirable "night before" next year. Major Wheeler spoke of the value of physical training both to body and mind.

Major Briggs and Prof. Talbot spoke of their interest in athletics, and joined with the previous speakers in the appeal for the abolishment of the Field Night combat.

23 MEN OUT.

**Hares and Hounds have Rough Run in
Fells. Fast Finish.**

Twenty-three men went out on the Hare and Hound Chase from the Malden Y. M. C. A. Saturday afternoon. Eames 1908 and McCreadie 1911 laid a six and one-half mile trail over very rough ground through the Fells.

The hounds were divided into two squads, the fast and the slow. In the former were the cross country men.

A very close mile race was run to the finish, the first six men finishing in the order: Howland '08, Ellis '09, White '11, Batchelder '08, Stephenson '09, and McCarthy '09.

Ellis and Stephenson found the bags. Time of hares:—44 min. Time of hounds:—47 min.

1906 CHANGES IN ADDRESS.

H. S. Bailey, 226 11th St., S. W., Washington, D. C.

R. J. Barber, Globe Optical Co., 403 Washington St., Boston.

L. Bent, Independent Powder Co., Carthage, Mo.

Arthur W. Cheney, 53 E. 75th St., Chicago, Ill.

HAS FINE LOCOMOTIVE TESTING MACHINE.

**RAILROADS LOOK TO PURDUE FOR
RECENT DEVELOPMENTS.**

**A Railroad Museum Started With Many
Engines and Models.**

Purdue University has a splendid reputation with railroad men. The world of railroad engineering as a general thing looks there for the latest developments in locomotive work. One reason for this is that Purdue has in the equipment of its mechanical engineering department a railway museum and a plant of progressive design that has attracted much attention, the locomotive testing plant. Also at Purdue is a modern automobile testing plant.

The locomotive testing plant is equipped to take a locomotive so that its action may be studied and its performance tested at any speed and load under track conditions. When mounted in the testing plant the locomotive is fired and controlled precisely as if it were on the road.

The details of mounting are: 1, supporting wheels for the drivers; 2, brakes acting on the supporting wheels; and 3, a traction dynamometer to indicate the pull exerted by the locomotive. All parts of the mount are adjustable to receive any locomotive whatsoever, and the plant is in track connection with the Lake Erie and Western R. R. Thus far, four different locomotives have been tested and from time to time others will be available for the use of students.

The friction brakes, four in number, (Continued on page 2.)

ALUMNI.

'06 Man Instructor at Y. M. C. A.

Ex-'04 Man Marries.

S. E. Gideon, '06, instructor in mechanical drawing, will take charge of architectural drawing at the evening classes at the Boston Y. M. C. A. this winter.

Miss Edna A. MacRobert, daughter of Mrs. Fitz E. Riggs of Gloucester, was married on Nov. 2 to Willard V. Morse, ex-'04, of Anguascalientes, Mexico. Mr. Morse was taking a special course at the Institute in mining engineering in 1902. The bride is a graduate of Smith College, '06. Mr. and Mrs. Morse left for Mexico where the former occupies a responsible position as superintendent of the American Refining and Smelting Company at Anguascalientes.

**PRESENTS LANTERN OF IMPROVED
PATTERN.**

**Mrs. Pickering Has Made Generous
Contributions to Tech.**

Mrs. Henry Pickering, who has previously made generous contributions to the Dormitory Fund and to the libraries of the Institute, has presented Technology with an electric projection lantern of the most improved pattern, which will soon be permanently installed in Huntington Hall.

MRS. RICHARDS ADVISES ALUMNAE.

**Tells Women to Cultivate Reliability in
Engagements.**

Mrs. Ellen H. Richards of the Institute spoke at the Public Library before the members of the Association of Collegiate Alumni last week. She said, "Reliability in business engagements and reverence of law must be impressed upon the girl students of today to fit her for the work of tomorrow. The most desirable tendency for professional and technical women of the next twenty-five years to cultivate is that of honorable fulfillment of her engagements even at a cost to herself. She should not make them lightly, but having undertaken a piece of work she should feel the full responsibility of carrying it out to the end."

THE TECH

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Business Manager, 30 Rogers.....4-6 Daily
Managing Editor, 30 Rogers.....8.30-9 Daily

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All communications regarding advertisements should be addressed to the Business Manager. Regarding subscriptions address the Circulating Manager.

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Single Copies 3 Cents.

Subscriptions within the Boston Postal District and outside of United States must be accompanied by 86 cents.

Monday, November 11, 1907.

ORGANIZED CONTROL.

Enthusiasm and class spirit are admirable and should be encouraged. Still when misdirected the most desirable energies are harmful. To be good they must be wisely directed.

The spirit shown by classes when they stay out all night in the dark and cold although courageous is rather inconsequent. The game is hardly worth the powder. The classes should consider the good of Technology more than their own pride. Any comfort that a class may derive from seeing its banner hanging on a tree seems very small when one realizes that this comfort is gained at a loss of reputation to the Institute.

Thursday night considerable damage was done to the Institute property at the Field. This damage was done by a crowd of young ruffians from Jamaica Plain, but the Sophomore-Freshmen struggle that night gave the rowdies their opportunity. In addition it might be said that the Brookline police complained to the Institute authorities and said that they were unable to discriminate between the muckers and the Tech men. Dean Burton remarked after Thursday night's affair that it was a shame to have Tech men put on the same level as the muckers of Jamaica Plain and Roxbury. In view of this, although the spirit that prompts night vigils and fights before Field Day may be of the best, the fights themselves are indefensible.

The remedy is not the abolishment of class competition before Field Day but its organized control. THE TECH does not pretend to be able to formulate a plan of organization that would be of greatest advantage to everyone concerned but does believe that the formulation of such a plan is a matter which should be seriously considered by the whole of Technology.

COMMUNICATION.

To the Editor of THE TECH:—

The Editorial in THE TECH on Wednesday, Nov. 6th, speaking of the night before Field Day struggle as "Idiocy and arrant foolishness, should provoke our pity rather than our anger. While I do not want to make any personal attack upon the writer, it is plain upon the face of it that he did not know what he was talking about. But what we resent most, he tells us that this is the general opinion of the upper classmen. All he has to back up this idea is an extract from Technique 1908, which any intelligent reader can see, is a joke. What a man can't understand and can't appreciate, he ridicules. To support the idiocy theory, the author enumerates a series of blood-curdling accidents that have characterized previous nights before. Why does he not advance the same arguments for the abolition of the football game. We could spare it. Let Field Day become first a track meet and finally a tennis match.

There is one excuse for this editorial:—the idea originated from the Dean. But is that an excuse? Why can't THE TECH be original? Make a noise of their own instead of being merely an echo, as a recent periodical puts it.

The night before Field Day is one of the few events in our life at Tech which prevents us from becoming veritable fossils. It cements our sympathies. It brings us closer together, and so fosters not only our class spirit but our College Spirit. And our College Spirit does not get any too much fostering at Tech. Don't take away from us our last few means of expressing it! Remember if we lose this one we may lose all.

A. N. PENNY '08.

IN ANSWER.

It is always a comfort to be pitied and to feel that one is not the object of a personal attack. Particularly is it so when a personal attack is unjustifiable. Any loyal Institute man must admit that any action that, doing no material good, injures the reputation of Technology, is worse than "Idiocy and arrant foolishness."

The Dean advised an editorial of this nature. Of course THE TECH should be original but it does not believe in showing its originality by always doing the opposite from what is advised. In matters pertaining to the interest of Technology, THE TECH is very glad to be able to echo the opinions of the Dean. As it happened, however, this idea was thought of and brought out in the Technique article long before the Dean spoke.

The fable in Technique 1908 may not have been well done, but it was meant neither as pure nonsense nor a joke. The idea that its writer intended to convey was the silliness of footless squabbles in the dark. A crowd of fellows going out to the field together without doubt get better acquainted. Any good that such acquaintance does, however, is much more than counteracted by the harm that is done the Institute by rowdyism. This rowdyism is almost inevitable when fellows go out at night looking for excitement in a district thickly inhabited by young muckers.

Sophomores and Freshmen can afford to lose a few chances of acquaintance-ship rather than give Institute men a questionable reputation and had better save their energy for good clean sport in open daylight that adds to Technology's prestige.

LOCOMOTIVE TESTING MACHINE.

(Continued from page 1.)

are controlled by varying the pressure of water which circulates through them and carries away the heat. The water pressure acts upon stationary copper plates which are forced against a moving cast iron disc. They have a combined capacity of 1000 horse-power.

The traction dynamometer is an Emery testing machine of special design. While capable of receiving and weighing stresses up to 30,000 pounds, it is yet so delicate as to indicate a change of stress when a locomotive coupled to it is given a push of the hand. The plant is well equipped with accessory apparatus which indicates and registers the performance under test.

The locomotive now used has 60-inch drivers and weighs 109,000 pounds. Its boiler may carry pressures up to 250 pounds and is equipped with a Cole superheater. The arrangement of its cylinders is such that it can readily be changed from simple to compound.

For the benefit of the students of locomotive engineering, the University, through the courtesy of several railroad companies, has collected a number of locomotives to form a nucleus for a railway and locomotive museum. These represent the development of the locomotive from 1840. In addition there are a number of models, typical car

(Continued on page 3.)

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BOX 52, "THE CAGE"**CALENDAR.**Monday, November 11.
1:00 P. M. Ohio Club Meeting in 20
Rogers.
4:00 P. M. Basket Ball Practice Begins
at the Gym.
4:00 P. M. Glee Club Rehearsal at the
Union.
4:00 P. M. Mandolin Club Rehearsal in
33 Rogers.
4:15 P. M. Meeting of the M. I. T. A.
A. in Rogers.
Tuesday, November 12.
4:00 P. M. Banjo Club Rehearsal in 33
Rogers.
8:00 P. M. Catholic Club Meeting in
16 Rogers.
Wednesday, November 13.
1:00 P. M. Missouri Club Meeting in
33 Rogers.**NOTICES.****MISSOURI CLUB.**—There will be an
important meeting of the Missouri Club
in 33 Rogers Wednesday at 1 P. M.**M. I. T. A. A.**—The Athletic Associa-
tion will meet for the first time in Rog-
ers at 4:15 this afternoon.**CATHOLIC CLUB.**—There will be a
very important meeting of the Catholic
Club Tuesday evening at 8 p. m., in 16
Rogers.**OHIO CLUB.**—There will be a meet-
ing of all Ohio men at 1 o'clock today
in 26 Rogers. This will be a short, but
important meeting, and all who hail
from the Buckeye state are urged to at-
tend. Officers will be elected for the
ensuing year, and arrangements will be
made for the first of the regular monthly
dinners of the club.1910.—As yet very few men have or-
dered their Class Pipes. In view of the
fact that the Sophomore Class so over-
whelmingly won the right to smoke a
class pipe, every man should own one.
Orders will be received up to 1 o'clock
Saturday, Nov. 16. Hand in your order
at once to Southgate, Harrison, Jackson,
or to the Cage.**LOCOMOTIVE TESTING MACHINE.**

(Continued from page 2.)

trucks, brake beams, truck and body
bolsters, car couplers, a switch and
signal interlocking machine, locomotive
lights, and many smaller appliances.The American Master Car Builder's As-
sociation has caused to be deposited a
brake-shoe testing machine, and air-
brake testing rack, a drop testing ma-
chine, in which a steel mass weighing
1650 pounds is dropped on a specimen
from a height of up to 58 feet, and a
collection of smaller apparatus for use
in testing air-brake hose.In response to a demand for accurate
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efficiency of various types of automo-
biles, a testing plant of original design
has recently been installed at Purdue.
It consists of supporting wheels so ar-
ranged that any automobile can be
easily mounted upon it. When thus
mounted the machinery of the auto-
mobile, including its driving wheels, may
be operated as upon the road. The
work delivered by the machine is ab-
sorbed by a friction brake upon the
axle of the supporting wheels, and may
be measured either by a dynamometer
which forms a part of this brake, or by
means of a traction dynamometer at-
tached to some fixed portion of the
automobile, which also serves to hold
the machine in its position upon the
supporting wheels. An electric fan sup-
plies a current of air to the front of
the machine, where it may act to lower
the temperature of the radiator or con-
denser. The plant is supplied with
such accessory apparatus as is needed
for work upon gasoline, steam, and
electric machines.**CLASSIFIED ADS.**Advertisements of this kind under different
classifications are inserted at the rate of five
cents a line, averaging six words to a line, pay-
able in advance.**SLIDE RULE WANTED.**—A good
slide rule and slide rule instruction book
wanted. Leave a note at Box 24, the
Cage.**LOST.**—Will the man who found a
plain gray sweater at the Field on Fri-
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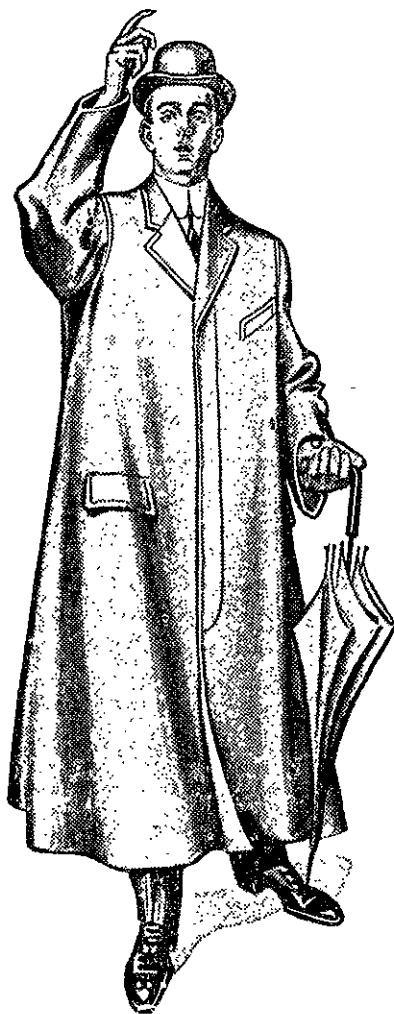
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Important We do not carry regular \$9.75, \$10 or \$12 Clothing, because we could not guarantee anything made to sell at those prices. In order to compete with stores that DO carry \$9.75, \$10 and \$12 grades, we make a specialty of the best \$15 suit, overcoat and raincoat in Boston at \$9.75.